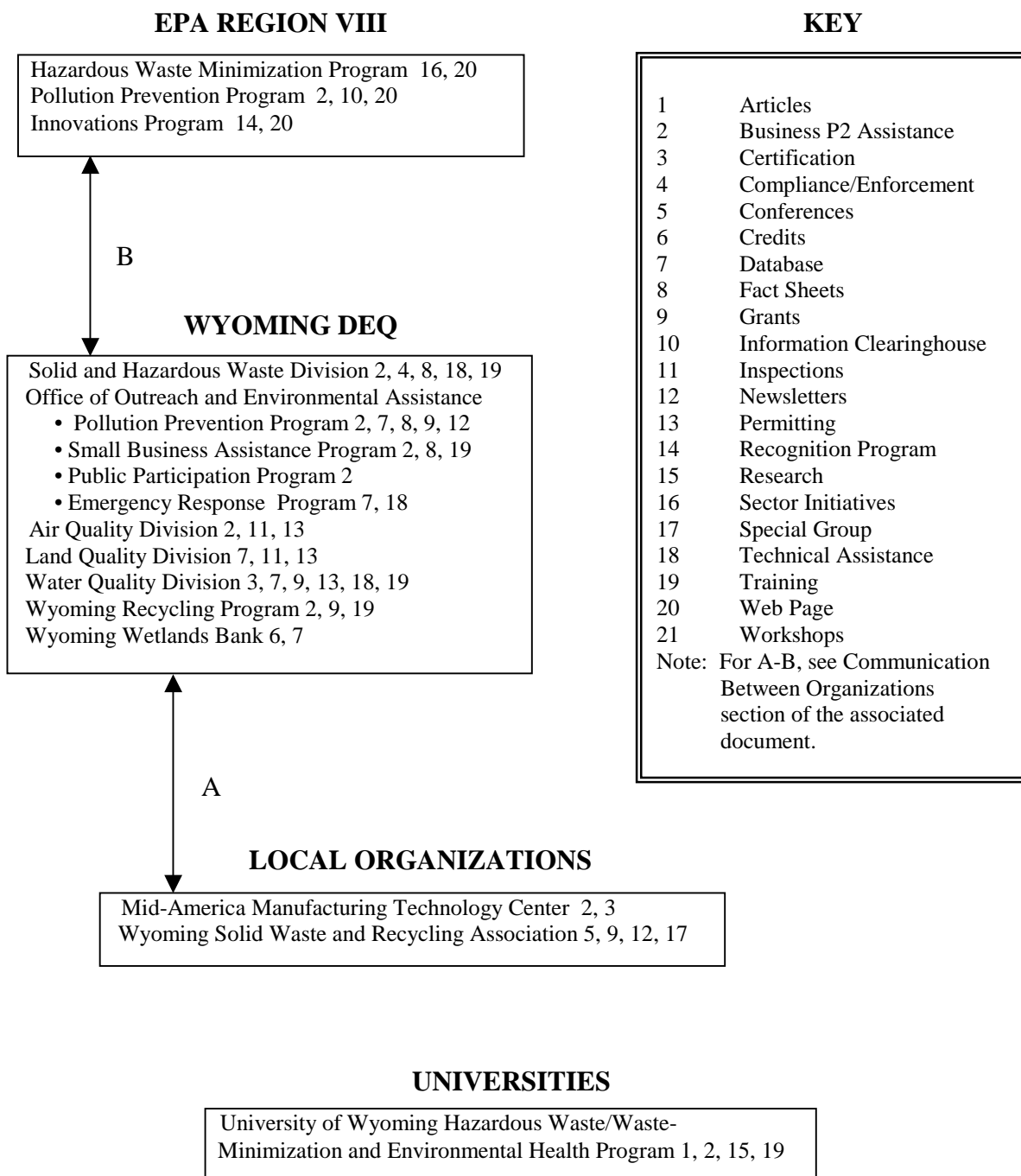


# WYOMING WASTE MINIMIZATION AND POLLUTION PREVENTION NETWORK



# WYOMING WASTE MINIMIZATION AND POLLUTION PREVENTION NETWORK

## CONTACT LIST

CONTACT	ORGANIZATION	TELEPHONE	PAGE
<b>EPA REGION VIII</b>			
Kendra Morrison	Hazardous Waste Minimization Program	(303) 312-6145	2
John Larson	Pollution Prevention Program	(303) 312-6030	3
Mary Byrne	Innovations Program	(303) 312-6491	3
<b>WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY</b>			
David Finley	Solid and Hazardous Waste Division	(307) 777-7752	4
James Uzzell	Office of Outreach and Environmental Assistance	(307) 777-7937	4
Stephen Roseberry	Pollution Prevention Program	(307) 777-6105	5
Chuck Raffelson	Small Business Assistance Program	(307) 777-7347	5
Dan Clark	Public Participation Program	(307) 777-7388	6
Joe Hunter	Emergency Response Program	(307) 777-7781	6
Dan Olson	Air Quality Division	(307) 777-7391	6
Richard Chancellor	Land Quality Division	(307) 777-7756	7
Gary Beach	Water Quality Division	(307) 777-7781	7
Bob Doctor	Wyoming Recycling Program	(307) 332-6924	8
Bill Dirienzo	Wyoming Wetlands Bank	(307) 777-7081	8
<b>LOCAL ORGANIZATIONS</b>			
Carol Stark	Mid-America Manufacturing Technology Center	(307) 265-8221	9
Sandy Johnson	(MAMTC)	(307) 766-2817	
Karen Sweeney	Wyoming Solid Waste and Recycling Association	(307) 332-8595	9
	(WSWRA)		
<b>UNIVERSITIES</b>			
Greg Kaufman	University of Wyoming (Hazardous Waste and Environmental Health Program)	(307) 766-3277	10

## U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA) REGION VIII

### HAZARDOUS WASTE MINIMIZATION PROGRAM

**Contact: Kendra Morrison (303) 312-6145 [morrison.kendra@epa.gov](mailto:morrison.kendra@epa.gov)**

The EPA Region VIII Hazardous Waste Minimization Program (HWMP) provides advice and assistance to authorized state governments on matters related to development, execution, and monitoring of hazardous waste minimization policies, plans, and programs.

**Sector Initiatives:** The HWMP places special emphasis on and supports national, regional, and state efforts to reduce the most persistent, bioaccumulative, and toxic (PBT) chemicals. The program helps establish goals for reduction of PBT chemicals and develops resources and tools for state hazardous waste programs. The HWMP focuses on measuring the effectiveness and impact of state hazardous waste minimization efforts on reduction in PBT chemicals. State activities and policies are identified, documented, and linked to

reduction goals. The HWMP also disseminates technical and program information to states, analyzes chemical and waste generation data, participates in EPA Headquarters activities and monthly program calls, facilitates outreach, and works to integrate waste minimization into other EPA programs and divisions.

**Web Page:** The region recently developed a program web page at the following address:  
[http://www.epa.gov/region8/land\\_waste/rcra/wastemin/wastemin.html](http://www.epa.gov/region8/land_waste/rcra/wastemin/wastemin.html).

## **POLLUTION PREVENTION PROGRAM**

**Contact:** John Larson (303) 312-6030 [larson.john@epa.gov](mailto:larson.john@epa.gov)

The EPA Region VIII P2 Program works in partnership with federal agencies and the private sector to make pollution prevention the environmental strategy of choice. The team's expertise is in the areas of solid waste reduction and recycling, environmental management systems, energy efficiency, environmentally preferable products, and P2 for the automotive and agricultural sectors.

**Business P2 Assistance:** The EPA Region VIII P2 Program helps businesses and federal facilities identify processes to minimize or eliminate hazardous waste. In addition, it refers businesses to products that are less harmful to workers and the environment.

**Information Clearinghouse:** The Peaks to Prairies Pollution Prevention Information Center (the Center) is funded by EPA Headquarters, managed by EPA Region 8, and facilitated by Montana State University Extension Service at MSU- Bozeman. The Center serves local and state assistance personnel by providing access to P2 information and contacts, encouraging collaboration, and assisting with Regional initiatives. The Center is creating a web-linked library service that will enable small businesses and assistance personnel to find high quality, up-to-date information on P2. The Center's web site is located at <http://www.peakstoprairies.org>. The Region VIII point of contact is Laura Estes at [laurae@montana.edu](mailto:laurae@montana.edu).

**Web Page:** EPA sponsors a web page called EnviroSense at <http://es.epa.gov>. This web page provides access to industry specific P2 techniques. It also has a database of substitutes for solvents. The EPA maintains a web site with an array of Environmentally Preferable Products at <http://www.epa.gov/oppt/epp>.

## **INNOVATIONS PROGRAM**

**Contact:** Mary Byrne (303) 312-6491 [byrne.mary@epa.gov](mailto:byrne.mary@epa.gov)

The Region VIII Innovations Program works collaboratively with companies, industrial sectors, states, federal agencies, and environmental organizations to strategically address complex environmental issues. Innovative projects include: demonstrating superior environmental performance, taking extra steps to reduce and prevent pollution, minimizing waste, involving community members, implementing an environmental management system, while saving money, increasing productivity and improving the environment.

**Recognition Program:** EPA launched the National Environmental Performance Track (NEPT) program in June 2000 and welcomed over 225 facilities as charter members in December 2000. NEPT is a two-tier program designed to recognize and reward top environmental leaders for their environmental performance. The first tier, the Achievement Track, recognizes environmental leaders with a recognition program, including the use of the program logo; the opportunity to meet with senior EPA managers and other environmental leaders; and recommend regulatory and administrative flexibilities for the second tier, Stewardship Track, being developed for implementation in the summer 2001. Applications

for the program are being taken from February 1 through April 30, 2001, and August 1 through October 31, 2001.

**Web Page:** The NEPT web site for information and applications is [www.epa.gov/performance-track/](http://www.epa.gov/performance-track/) or call 1-888-339-PTRK.

## WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

### SOLID AND HAZARDOUS WASTE DIVISION

**Contact:** David Finley (307) 777-7752 [dfinle@state.wy.us](mailto:dfinle@state.wy.us)

The Solid and Hazardous Waste Division (SHWD) issues permits for hazardous waste generators, provides P2 training to waste management facilities, and provides P2 assistance in coordination with the Pollution Prevention Program.

**Business P2 Assistance:** If, during a hazardous waste inspection, an inspector decides that a P2 assessment would be beneficial and the business indicates interest, SHWD may contact the Outreach or the Pollution Prevention Program. However, SHWD completes the P2 assessment on its own in some instances.

**Compliance/Enforcement:** The compliance and enforcement division of SHWD incorporates P2 requirements into hazardous waste permits and enforcement settlements.

**Fact Sheets:** The SHWD has developed the following fact sheets:

- Household Paint Disposal Options
- Proper Management of Farm and Ranch Wastes
- Hazardous Wastes from the Home

**Technical Assistance:** The division also provides technical assistance to the Wyoming Solid Waste and Recycling Association (WSWRA) by serving on a board of members during regular meetings. See the description of WSWRA in the local organizations section.

**Training:** SHWD provides technical and compliance assistance along with regular workshops on P2 and waste management. Staff members of SHWD provide training to business sectors and organizations, including:

- Automotive repair shops
- Dry cleaners
- Metal finishers
- Governmental groups
- Professional societies
- Civic organizations

### OFFICE OF OUTREACH AND ENVIRONMENTAL ASSISTANCE

**Contact:** James Uzzell (307) 777-7937 [juzzel@state.wy.us](mailto:juzzel@state.wy.us)

The Office of Outreach and Environmental Assistance was created to provide environmental information and assistance to the businesses, municipalities, and citizens of Wyoming in a “non-threatening,” non-regulatory manner. The Office of Outreach and Environmental Assistance oversees all outreach materials, site inspections, and educational materials for the Pollution Prevention, Small Business Assistance, Public Participation, and Emergency Response programs. All assistance is provided free of charge.

## **POLLUTION PREVENTION PROGRAM**

**Contact: Stephen Roseberry (307) 777-6105 sroseb@state.wy.us**

The P2 Program provides information on new technologies, improved procedures, and materials substitution that can eliminate sources of pollution, save money, and reduce the regulatory burden on businesses.

**Business P2 Assistance:** The program provides P2 assistance (on-site assessments and research) to businesses on request. If a business requests P2 assistance, the P2 Program will first contact the Mid-America Manufacturing Technology Center (MAMTC) to provide a free P2 assessment (see description of MAMTC under local organizations). If MAMTC is unable to provide assistance at that time, the P2 Program will provide the service.

**Database:** The P2 Program maintains a database of businesses that have been visited along with the associated Standard Industrial Classification code. The database is used mainly to generate mailing lists.

**Fact Sheets:** During a P2 assessment or on request, the P2 Program provides relevant P2 literature to businesses. The P2 Program developed fact sheets for the following sectors:

- Vehicle maintenance
- Dry cleaning
- Hospitals
- Mining
- Lithographic and screen printing
- Wood finishing
- Newspaper publishing and photographic processing

The fact sheets include general P2 information, a list of P2 products for the sector, and P2 technical assistance resources. The P2 Program also provides businesses with case studies, which are individualized fact sheets that evaluate a specific P2 technology and the associated costs and benefits.

**Grants:** The P2 Program awards about \$30,000 in P2 grants each year to MAMTC and to nonprofit organizations.

**Newsletters:** The P2 program publishes a newsletter called *The Environmental Assistant* three times per year. The newsletter contains specific information about the operations of each division within Wyoming DEQ, the functions of each department, and P2 technical assistance.

## **SMALL BUSINESS ASSISTANCE PROGRAM**

**Contact: Chuck Raffleson (307) 777-7347 craffe@state.wy.us**

The Small Business Assistance Program provides free P2 information and compliance assistance to citizens, businesses, and government entities on environmental rules and regulations.

**Business P2 Assistance:** The small business outreach program provides P2 assistance (on-site assessments and research) to businesses on request.

**Fact Sheets:** During a P2 assessment or on request, the Small Business Assistance Program provides relevant P2 literature to businesses. The program developed P2 fact sheets for the following sectors:

- auto repair
- drinking water wells
- dry cleaning
- plating and finishing
- printing

**Training:** The small business assistance program provides technical assistance and training to businesses and trade associations. Past trainings have covered real estate transactions with regard to Brownfields legislation as well as, lead paint and asbestos.

## **PUBLIC PARTICIPATION PROGRAM**

**Contact: Dan Clark (307) 777-7388 dclark@state.wy.us**

The Public Participation Program provides information, responds to questions, and facilitates public involvement in departmental facilities.

**Business P2 Assistance:** The public participation program provides free technical P2 assistance to interested businesses. On request, the program conducts site visits to identify various P2 opportunities. Past site visits have included dry cleaners, autobody repair shops, and metal finishing operators. P2 opportunities are then researched and submitted to the facility. P2 training has been offered to the Wyoming Trucking Association and the Wyoming Realtors Association.

## **EMERGENCY RESPONSE PROGRAM**

**Contact: Joe Hunter (307) 777-7781 jhunte@state.wy.us**

The Emergency Response Program coordinates technical assistance within DEQ for dealing with hazardous material spills or accidental releases that may affect public health and safety through contamination of the state's air, water, or land.

**Database:** The Emergency Response Program maintains a database to keep track of information on a spill location, responsible parties, the type of material spilled, whether it reached water, and remediation associated with the spill.

**Technical Assistance:** The emergency response team provides free technical assistance to first responders (police, fire department) of hazardous material spills or accidental releases that may affect public health and safety through contamination of the state's air, water, or land. The program also includes the following:

- Prevention and preparedness
- 24-hour telephone spill reporting system
- Monitoring of cleanup and disposal activities
- Follow-up written reporting
- Coordination with federal, state, and local agencies

## **AIR QUALITY DIVISION**

**Contact: Dan Olson (307) 777-7391 dolson@state.wy.us**

The Air Quality Division issues operating permits and provides on-site P2 assistance to sources of air pollution. The division maintains a facility inspection and compliance program to assure that facilities maintain pollution control equipment at high collection efficiencies and remain in compliance with emission standards.

**Business P2 Assistance:** If, during the course of an inspection, the inspector decides a P2 assessment would be beneficial and the business indicates interest, the Air Quality Division contacts the Pollution Prevention Program. A member of either group will then contact the business and provide P2 assistance (on-site assessment, research, or other technical support).

**Inspections:** The Air Quality Division staffs an inspection and compliance group that assures facilities use proper control equipment and remain in compliance with emissions standards and permit conditions.

**Permitting:** The Air Quality Division issues construction, modification, and operating permits for sources of air pollution.

## **LAND QUALITY DIVISION**

**Contact:** Richard Chancellor (307) 777-7756 [rchanc@state.wy.us](mailto:rchanc@state.wy.us)

The Land Quality Division (LQD) administers and enforces all statutes and regulations on land disturbances that involve mining and reclamation in Wyoming.

**Database:** LQD maintains a database to track all permits that have been issued.

**Inspections:** LQD staff inspect all landfills that are operated at the mining facilities. If LQD staff identify pollution issues at the landfill, they are addressed in the inspection report, or the Solid and Hazardous Waste Division or the Pollution Prevention Program is notified to perform a P2 assessment.

**Permitting:** LQD issues permits to, and licenses all surface and underground mine facilities as well as gravel pit operators.

## **WATER QUALITY DIVISION**

**Contact:** Gary Beach (307) 777-7781 [gbeach@state.wy.us](mailto:gbeach@state.wy.us)

The Water Quality Division (WQD) issues permits for construction and operation of public water supplies, sewerage systems, treatment works, and disposal systems. WQD also conducts on-site P2 assessments for these systems and provides educational training to system operators.

## **Groundwater Protection Group**

### **Aboveground and Underground Storage Tank Program**

**Database:** The Aboveground and Underground Storage Tank program tracks information on all of Wyoming's aboveground and underground storage tanks in a database.

**Permitting:** WQD issues permits for construction and operation of public water supplies, sewerage systems, treatment systems, disposal systems, and permits for discharges to surface waters (effluent, industrial, and commercial storm water discharges). Also, the Aboveground and Underground Storage Tank Program issues permits to protect underground sources of drinking water from injection of pollutants into the subsurface.

### **Nonpoint Source Program**

**Grants:** Annually, a \$600,000 to \$800,000 pool of grant money is awarded for nonpoint water quality assessment, wastewater facilities, and demonstration projects. An additional \$1 million in incremental money is awarded for priority watersheds.

**Permitting:** The Non-Point Source program issues permits to any point source that discharges pollutants into surface waters.

### **Water and Wastewater Program**

**Certification:** The Water and Wastewater Program maintains a certification program that requires owners of public drinking water systems and public wastewater treatment systems to employ or contract an operator certified by the Wyoming WQD and with education and training adequate to oversee treatment operations of the facility.

**Permitting:** All wastewater facilities and public water supplies must be permitted before they begin construction.

**Technical Assistance:** The Water and Wastewater program works with the public water systems to develop an inventory of threats to source water and helps them devise a plan to eliminate these threats.

**Training:** To receive certification, each facility operator must complete training every 3 years. Training topics include: How to Treat Sludge, Laboratory Analyses, State Rules, and Valves, Pumps, and Pipes. Various trainers from around the state conduct training.

## **WYOMING RECYCLING PROGRAM**

**Contact: Bob Doctor (307) 332-6924 bdocto@state.wy.us**

The Wyoming Recycling Program provides technical assistance, workshops, integrated solid waste management training, pay-as-you-throw training, small grants for local government entities and educational materials and non-profit organizations, and other promotional materials for communities, schools, businesses, and individuals.

**Business P2 Assistance:** The Wyoming Recycling Program provides P2 technical assistance to businesses, schools, professional societies, and governmental groups by conducting site assessments and providing businesses with waste minimization and recycling fact sheets. The program has provided P2 assistance to a number of sectors, including:

- Metal finishers
- Auto body repair shops
- Printing shops

**Grants:** The Wyoming Recycling Program awards grant money to local government entities and nonprofit organizations to purchase recycling equipment and for waste minimization.

**Training:** Along with the Wyoming Solid Waste and Recycling Association (WSWRA), the Wyoming Recycling Program provides training to businesses, government, schools, and citizens about recycling opportunities, integrated solid waste management, and pay-as-you-throw programs.

## **WYOMING WETLANDS BANK**

**Contact: Bill Dirienzo (307) 777-7081 bdirie@state.wy.us**

The bank offers credits to landowners for voluntary projects in the state that involve restoring or creating wetlands.

**Credits:** The Wyoming Wetlands Bank (WWB) offers credits to landowners, businesses, and governmental departments for voluntarily creating or enhancing wetlands. Credits can be “banked” and applied to future construction projects that would impair existing wetland areas. “Banked” credits can also be sold to other entities that embark on construction projects where construction may alter wetlands.

**Database:** WWB maintains a database to track credits.



## LOCAL ORGANIZATIONS

### MID-AMERICA MANUFACTURING TECHNOLOGY CENTER

**Contact:** Carol Stark (307) 265-8221 [cstark@wyoming.com](mailto:cstark@wyoming.com)  
or Sandy Johnson (307) 766-2817

Mid-America Manufacturing Technology Center's (MAMTC) environmental assessments focus on reducing operating costs, hazardous waste generation, liability, and improving workplace safety, the environment, and the public image for businesses.

**Business P2 Assistance:** MAMTC is a voluntary, non-regulatory program that offers free P2 education and technical assistance to manufacturers in Wyoming. MAMTC is funded by grants from Wyoming DEQ. MAMTC provides research on specific P2 topics and writes assessment reports on P2 and waste minimization for industry sectors that include:

- Dry cleaners
- Hospitals
- Welders
- Auto body shops
- Abrasives/plastic coaters
- Fiberglass manufacturers

**Certification:** After an assessment, MAMTC sends the business a certificate of achievement in recognition of its successful completion.

### WYOMING SOLID WASTE AND RECYCLING ASSOCIATION

**Contact:** Karen Sweeney (307) 332-8595 [kbsweeney@rmisp.com](mailto:kbsweeney@rmisp.com)

The Wyoming Solid Waste and Recycling Association (WSWRA) is Wyoming's primary recycling organization. Aside from hosting a recycling center for Wyoming residents, WSWRA is an education organization dedicated to promoting recycling throughout the state.

**Conferences:** Each year WSWRA holds a conference to discuss hazardous waste reduction and current trends in the recycling industry. Members include businesses, citizens, recyclers, and Wyoming DEQ staff.

**Grants:** WSWRA provides recycling grants to communities and businesses.

**Newsletters:** WSWRA publishes a quarterly newsletter called *Used News* that summarizes WSWRA meetings, provides current information on recycling issues, and provides technical assistance to generators of solid and hazardous waste.

**Special Group:** Members of the WSWRA board include local citizens, local businesses, recycling representatives, and one member from the Wyoming DEQ Hazardous Waste Division.

## UNIVERSITIES

### UNIVERSITY OF WYOMING (HAZARDOUS WASTE/WASTE MINIMIZATION AND ENVIRONMENTAL HEALTH PROGRAM)

**Contact:** Greg Kaufman (307) 766-3277 gkaufman@uwyo.edu

The University's Hazardous Waste/Waste Minimization and Environmental Health program focuses on conducting P2 research for the university's departments.

**Articles:** The university published articles in a local newspaper that covered P2 initiatives at the university's laboratories, energy efficiency at the energy plant located on campus, local businesses that practice P2, and P2 tips for automobile consumers.

**Business P2 Assistance:** The University of Wyoming advertises P2 tips on a local television station.

**Research:** The University of Wyoming researches opportunities to reduce waste streams within the university. The waste minimization program provides P2 information to the university, ranging from changing the characteristics of the waste to eliminating the hazard by switching to nonhazardous substitutes. The program also runs a local recycling center located on the university's campus.

**Training:** On request from a department, staff from the hazardous waste program conduct P2 audits to identify waste streams, alternative solvents, and recycling opportunities, along with other P2 tips.

## COMMUNICATION BETWEEN ORGANIZATIONS

### A. Communication between the WYDEQ and local organizations

The Wyoming Solid and Hazardous Waste Division (SHWD) provides technical assistance to the Wyoming Solid Waste and Recycling Association (WSWRA) by serving on a board of members during regular meetings. Each year the WSWRA holds a conference to discuss hazardous waste reduction and current trends in the recycling industry. Members include businesses, citizens, recyclers, and Wyoming DEQ staff.

### B. Communication between EPA Region VIII and WYDEQ

EPA Region VIII provides advice and assistance to the Wyoming Solid and Hazardous Waste Division (SHWD) on matters related to the development, execution, and monitoring of hazardous waste minimization and P2 policies, plans, and programs.